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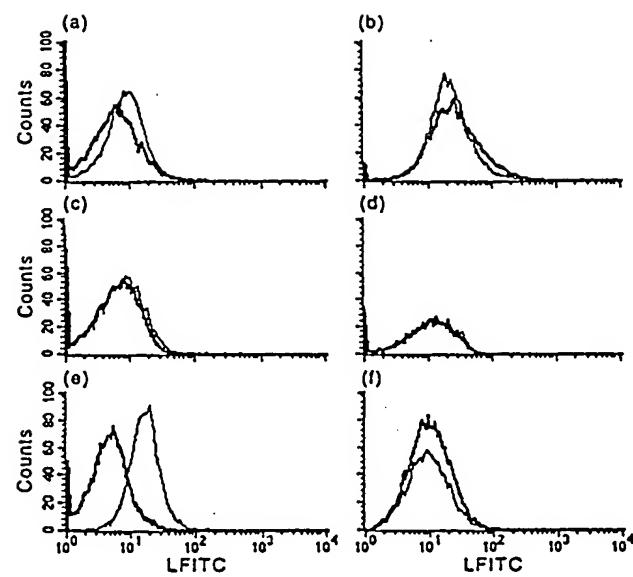


FIGURE 1A

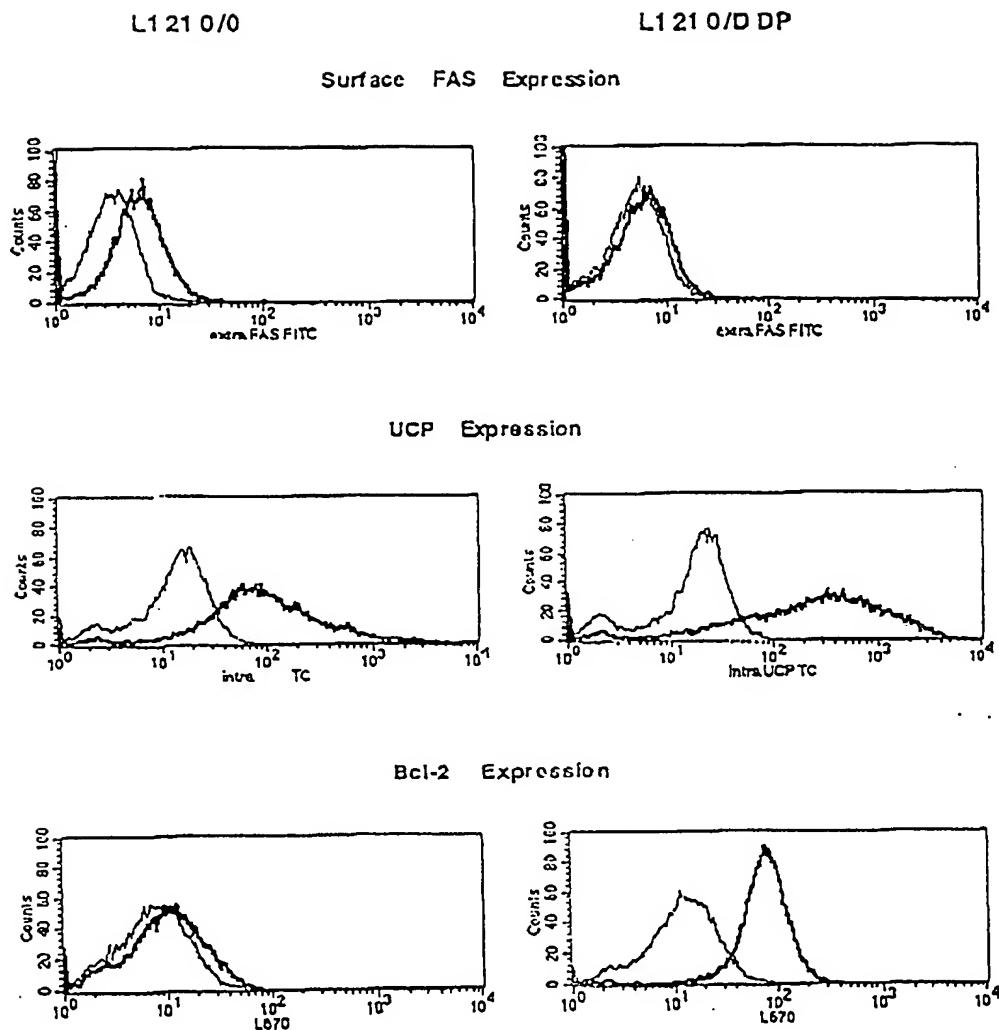


FIGURE 1B

Fas Expression is an Insulin-Dependent Function of Glucose Concentration

Methods and Products Related to Metabolic
Interactions in Disease
Date: March 17, 2004
Docket No.: V0139.70060US01
Express Mail Label No: EV292460726US

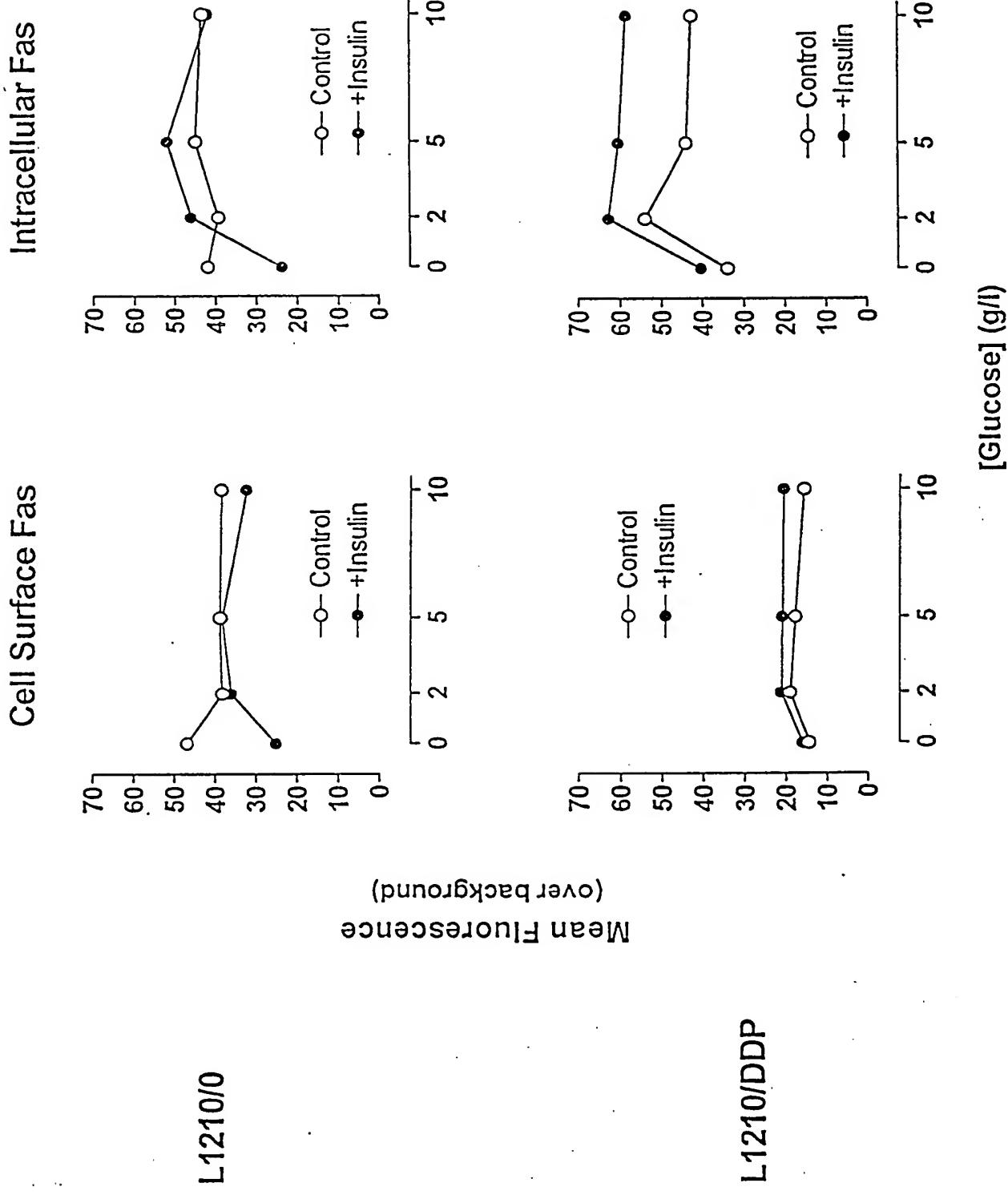


FIGURE 2

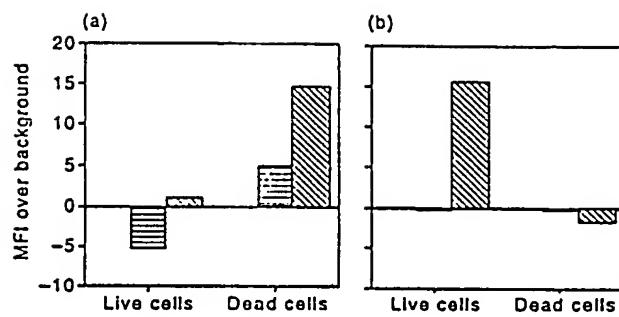


FIGURE 3

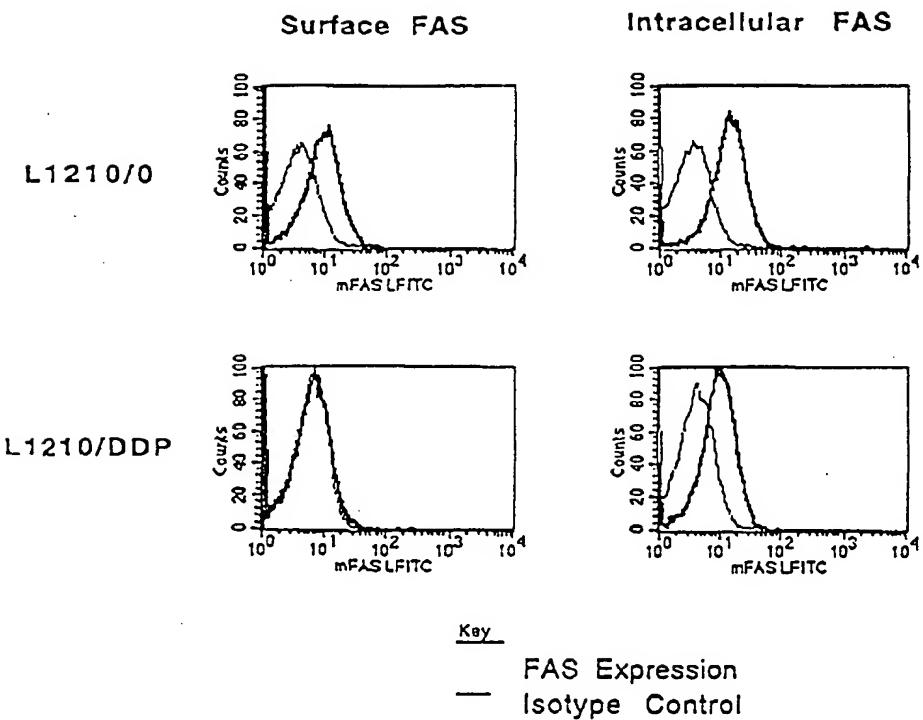


FIGURE 4

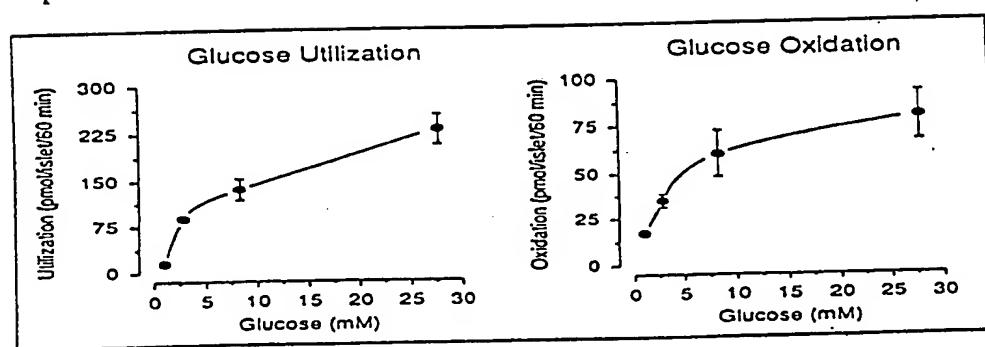


FIGURE 5

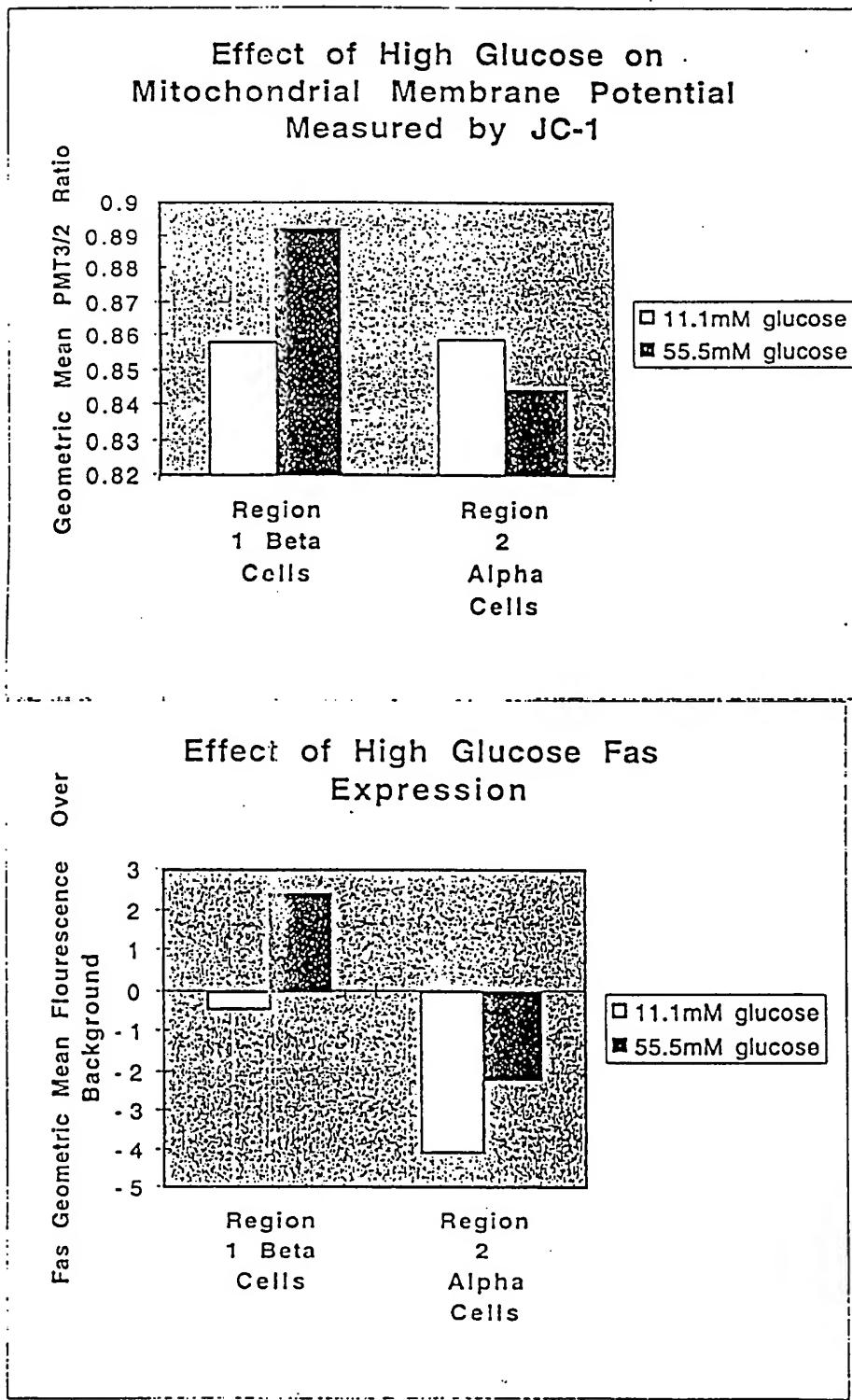


FIGURE 6

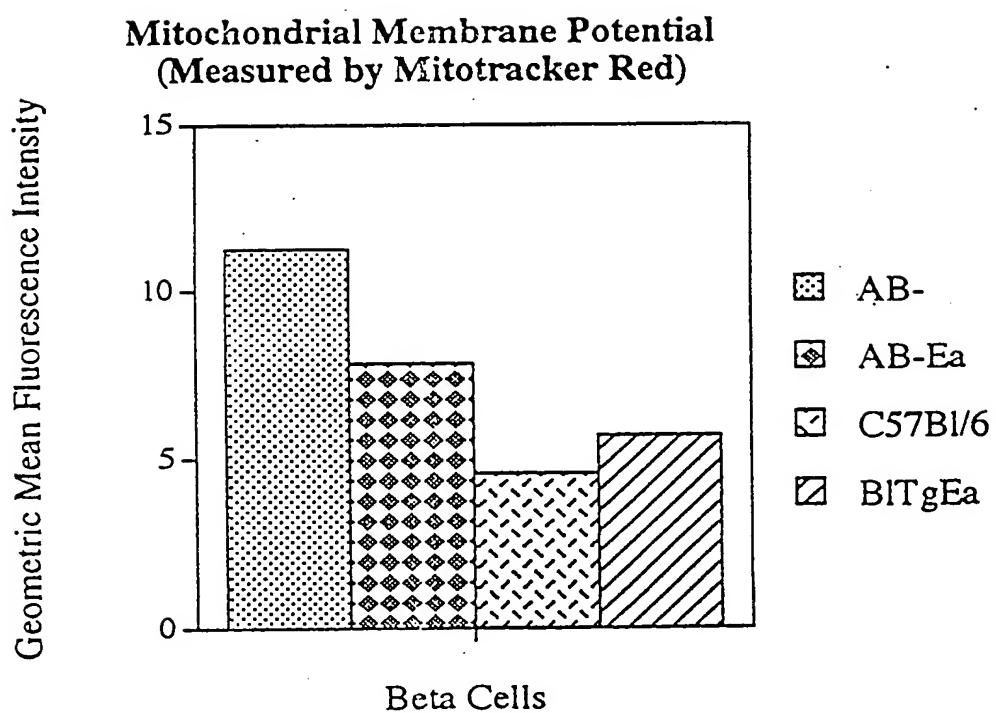


FIGURE 7

MHC class II mediated increases in cAMP are isotype and dimerization/oligomerization state dependent

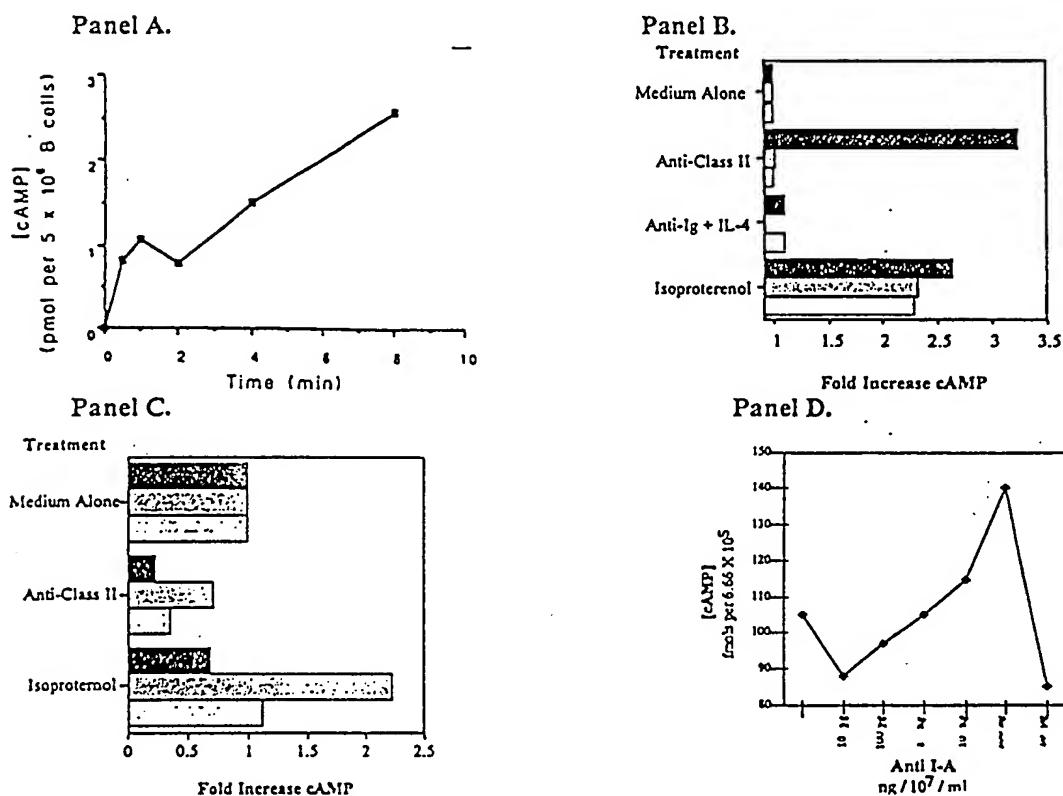
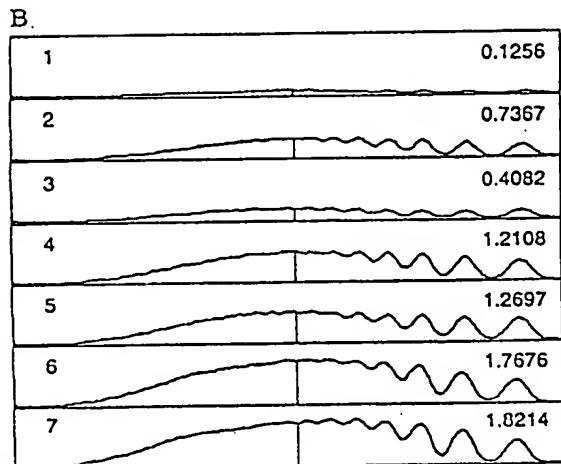
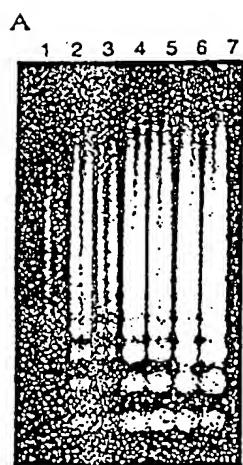


FIGURE 8

MHC class II induces apoptotic cell death



C

Lane	Treatment	Normalized Area	Apoptotic Index
1	Medium Alone	0.0711	0.0000
2	17/227	0.4168	0.3722
3	14-4-4S	0.2309	0.1721
4	10-2-16	0.6850	0.6609
5	H116-32	0.7183	0.6968
6	Isoproterenol	1.0000	1.0000
7	dbcAMP	1.0304	1.0328

FIGURE 9

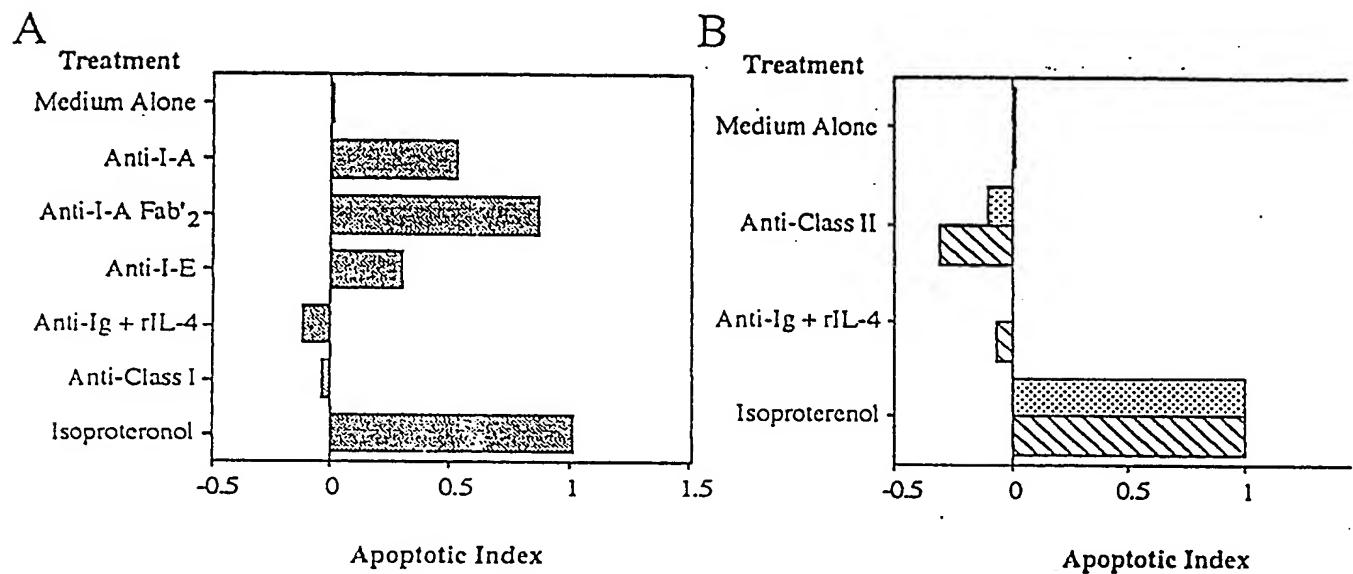


FIGURE 10

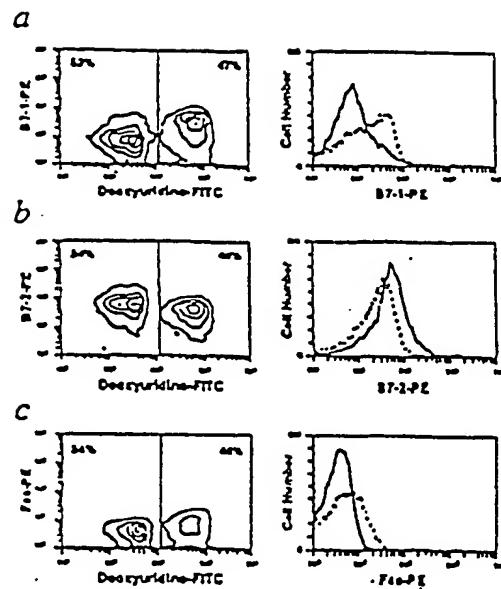
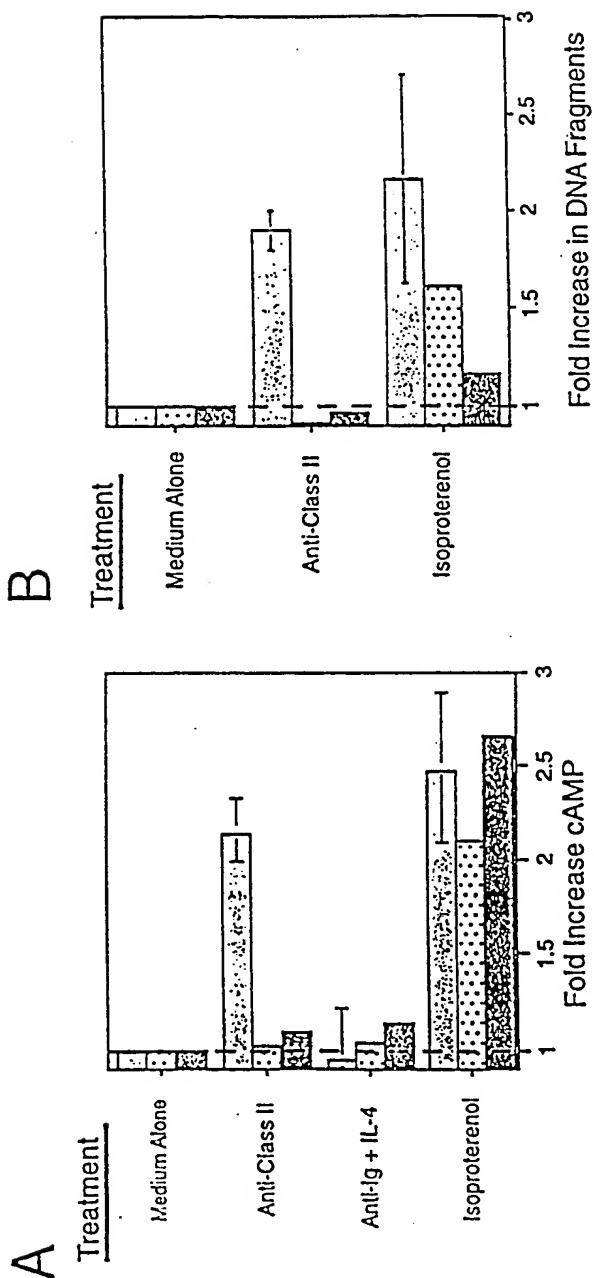


FIGURE 11



UCP Expression in L1210/0

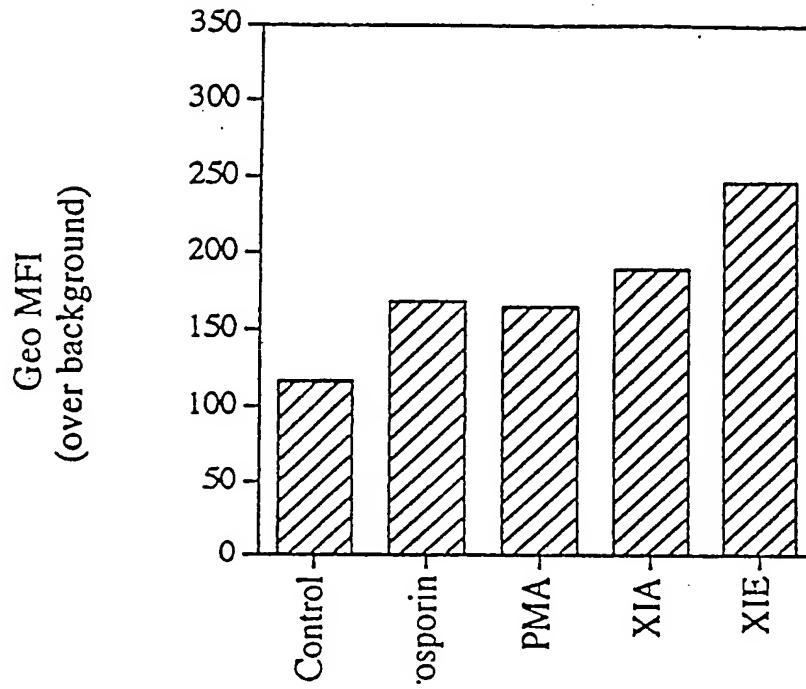


FIGURE 13A

UCP Expression in L1210/DDP

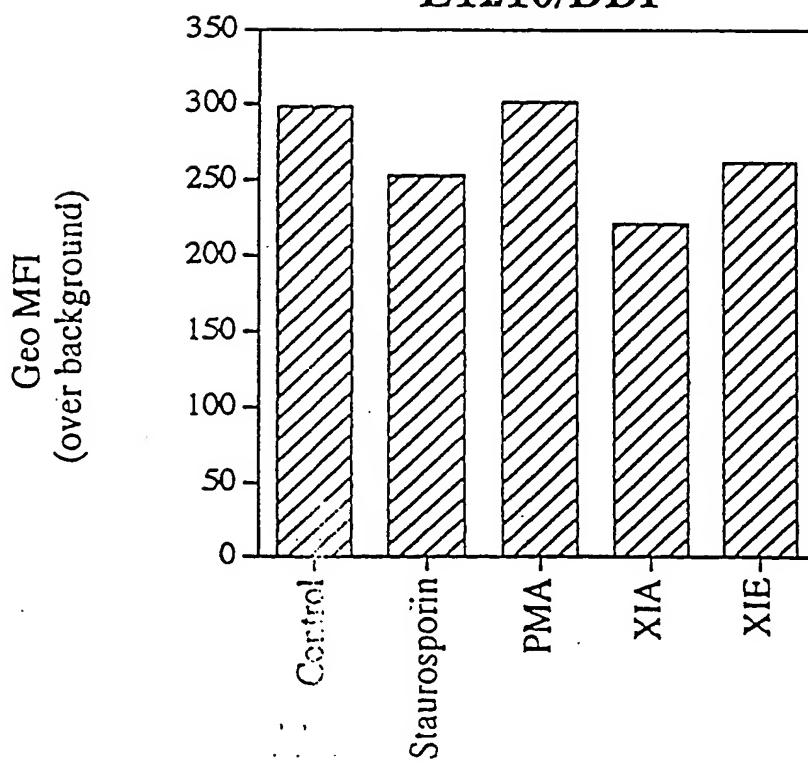


FIGURE 13B

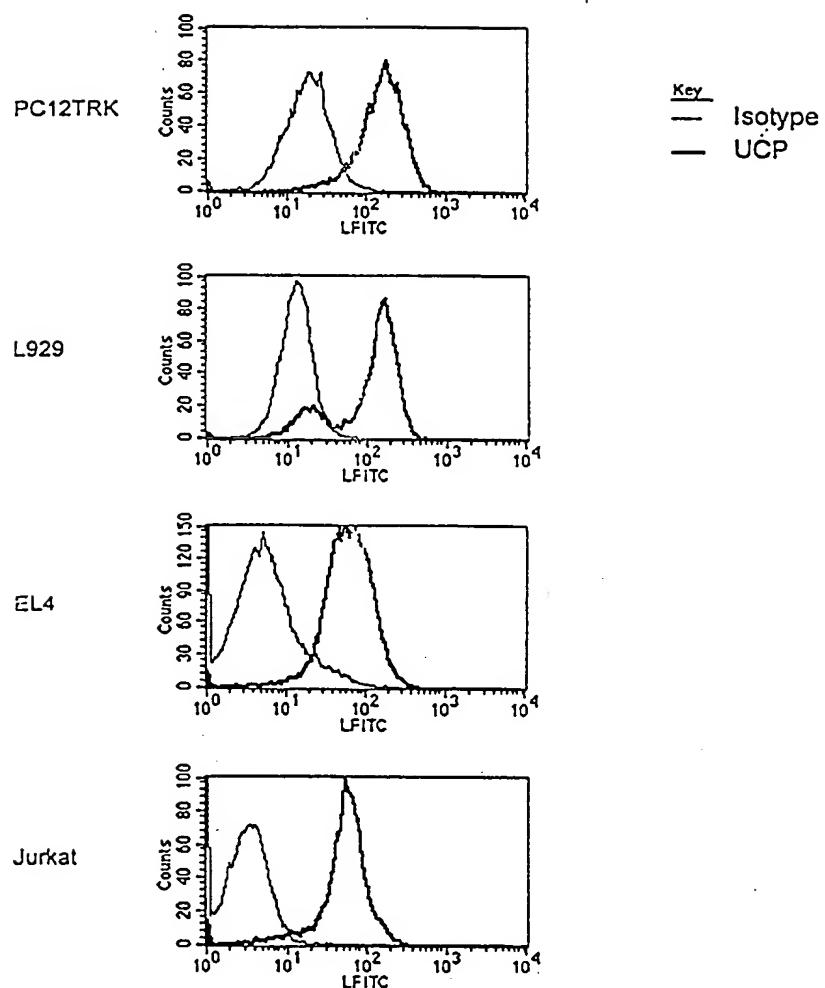


FIGURE 14

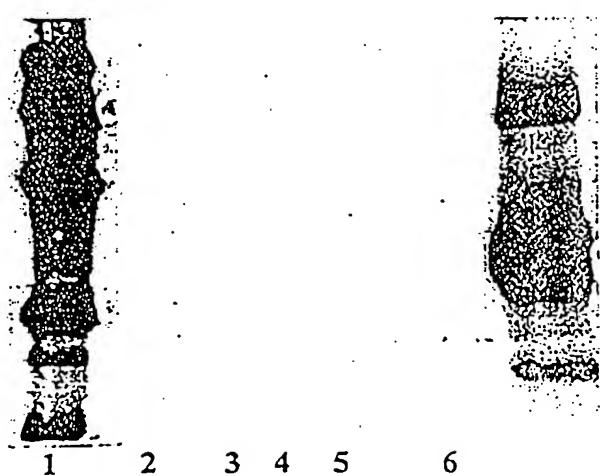


FIGURE 15

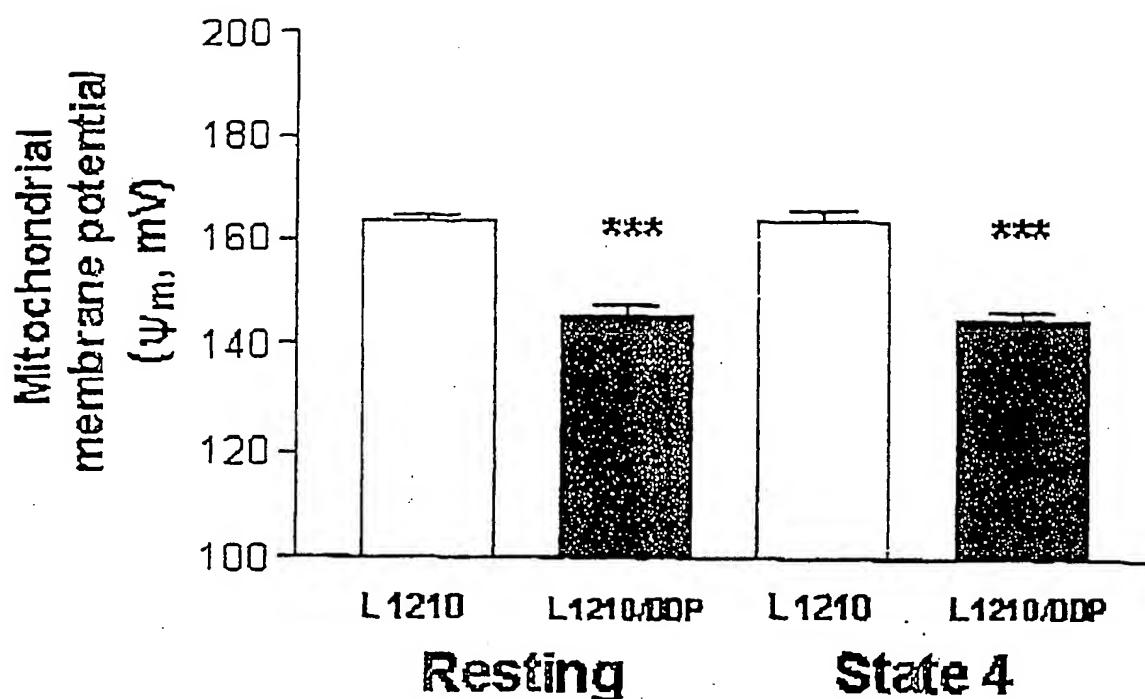


FIGURE 16

Cell Surface Fas (CD95) Expression on Non-permeabilized B16 Melanoma Cells

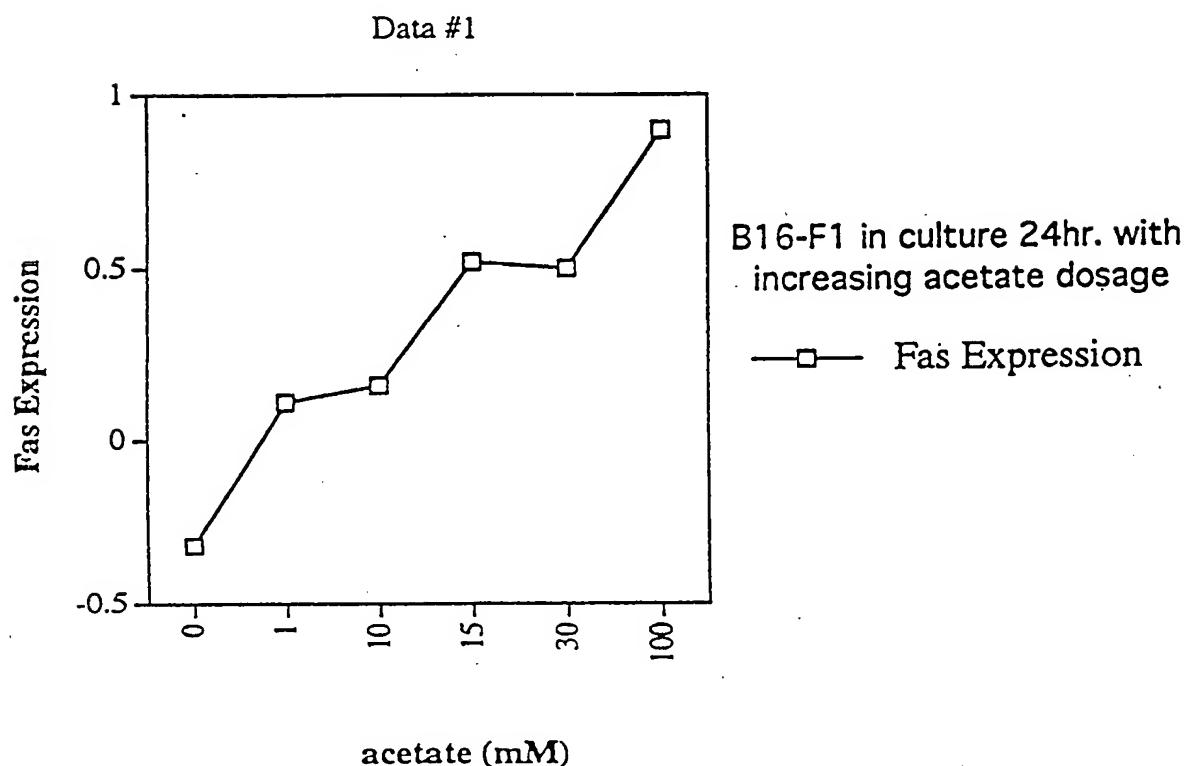


FIGURE 17A

Fas (CD95) Expression on *permeabilized* B16 Melanoma Cells

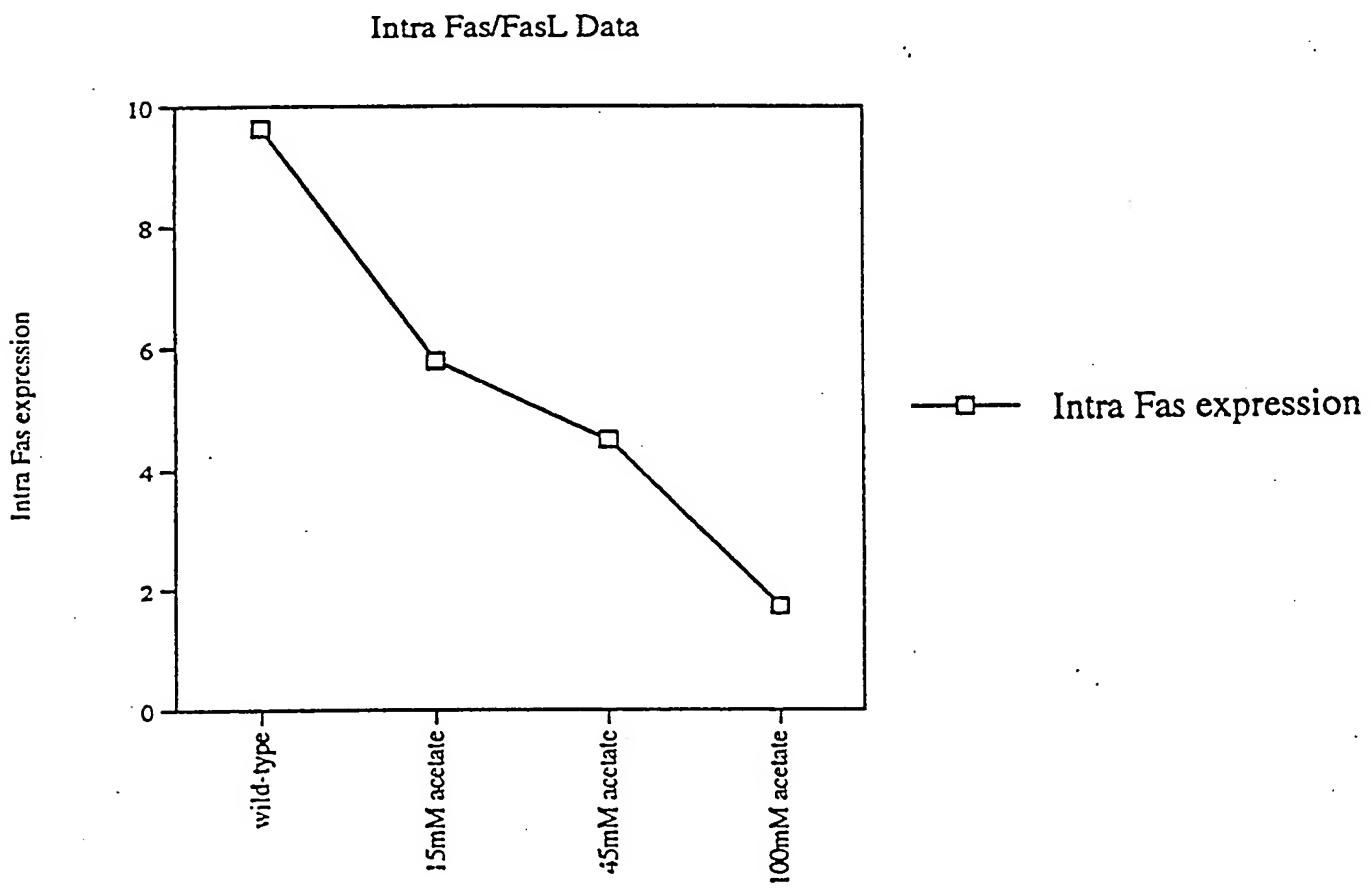


FIGURE 17B

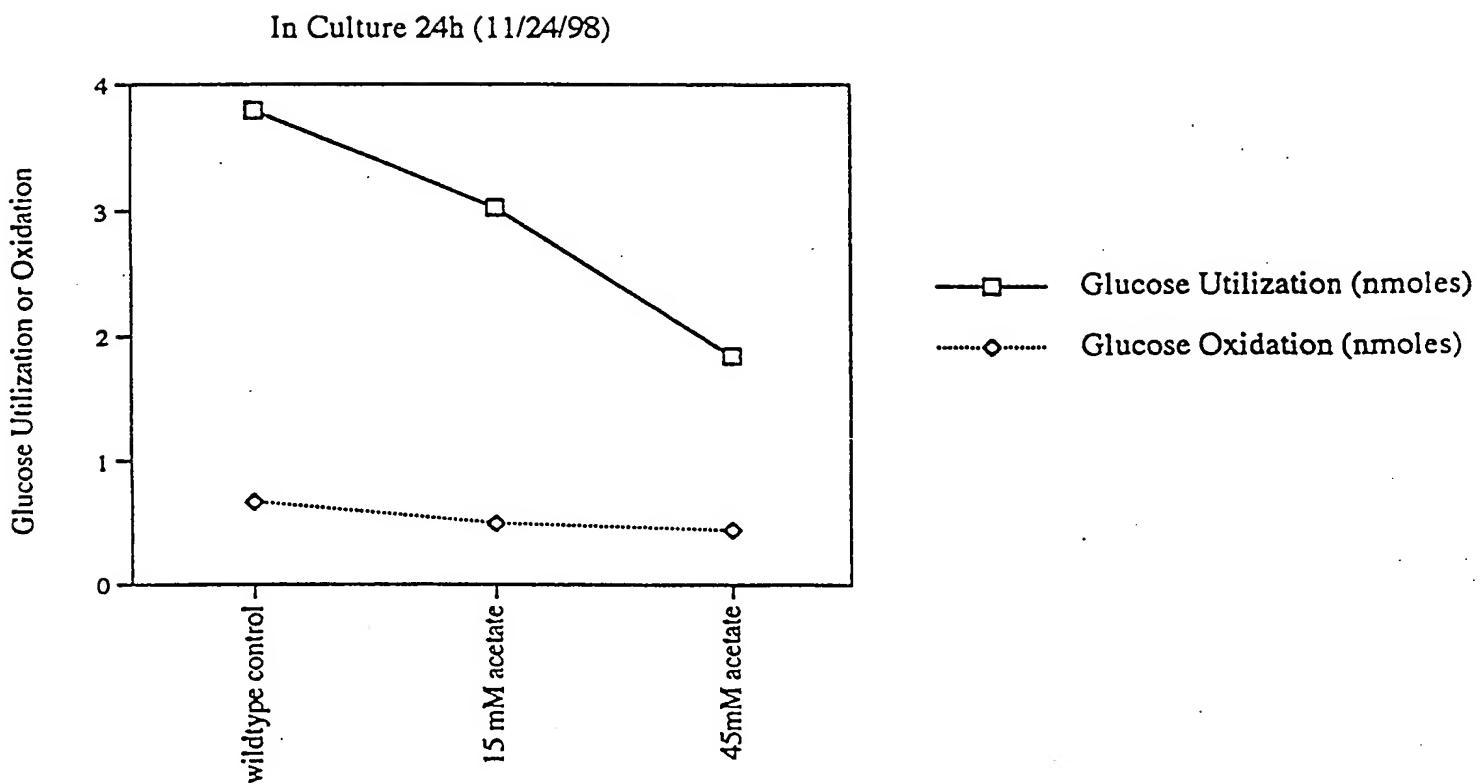


FIGURE 18

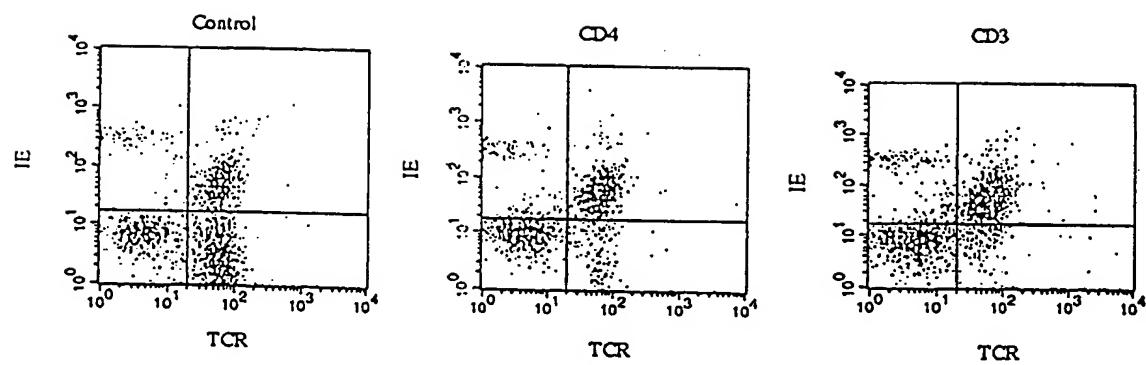


FIGURE 19



FIGURE 20

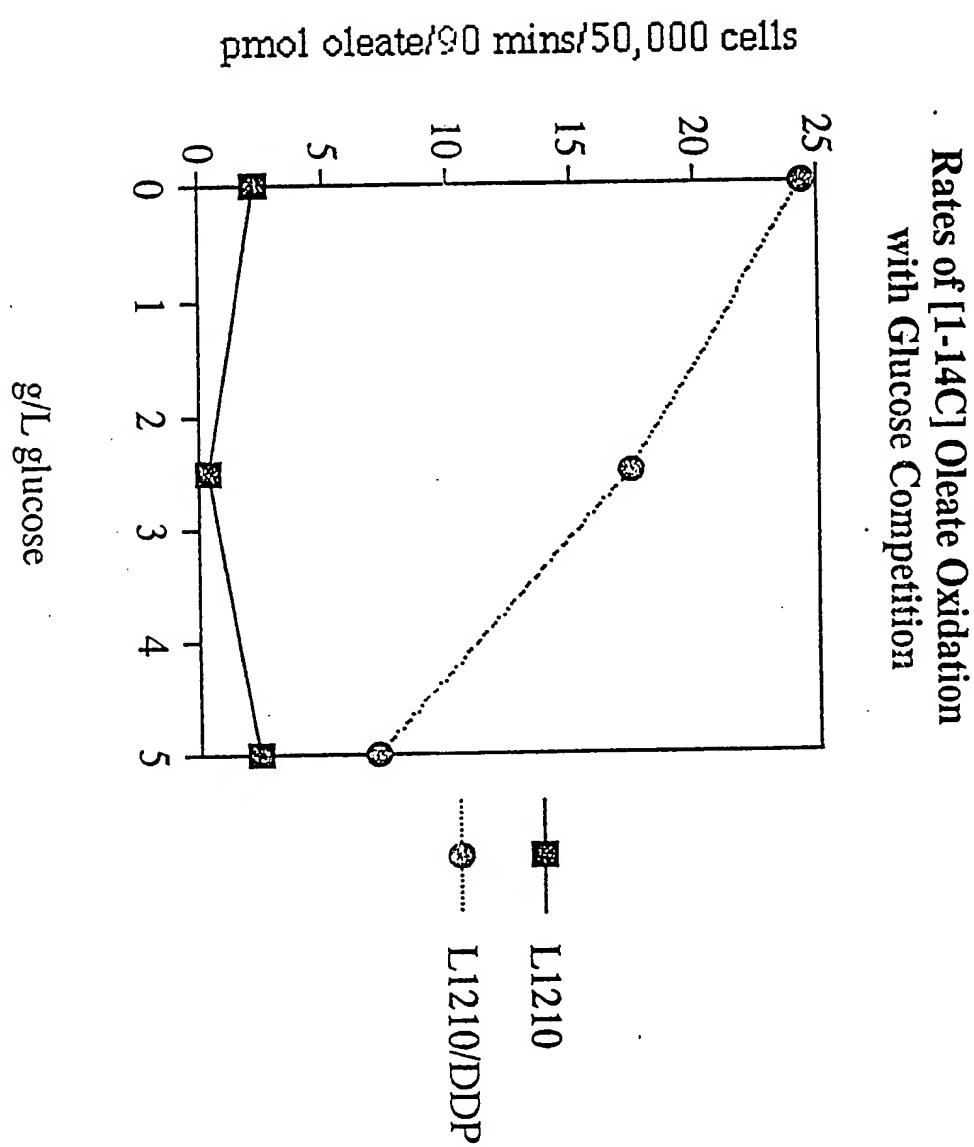
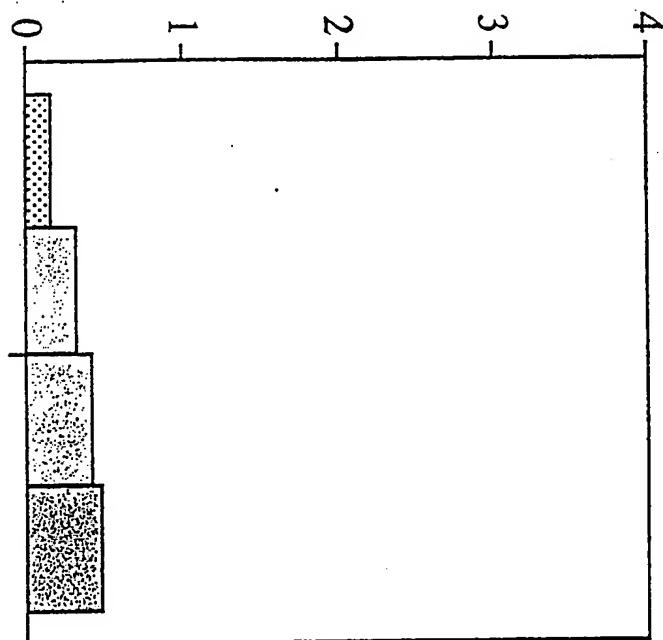


FIGURE 21

FIGURE 22

Methods and Products Related to Metabolic
Interactions in Disease
Date: March 17, 2004
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Express Mail Label No: EV292460726US

pmol cAMP



■ Control □ IA □ IE ■ Iso

pmol cAMP

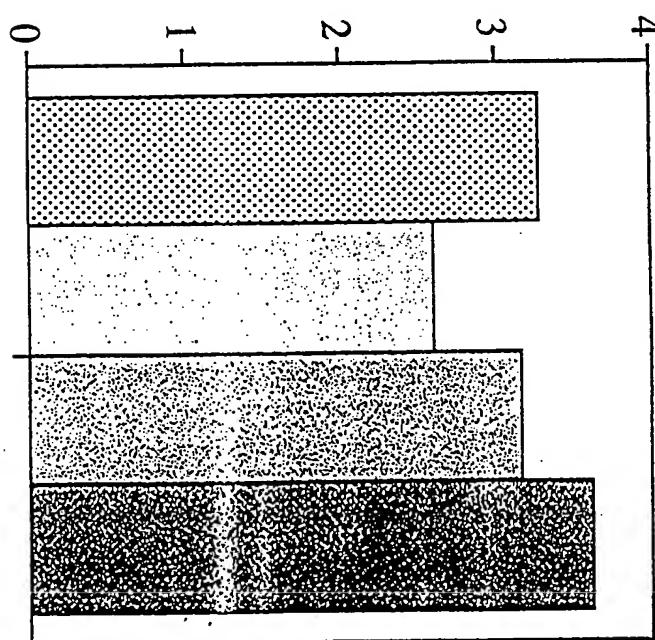
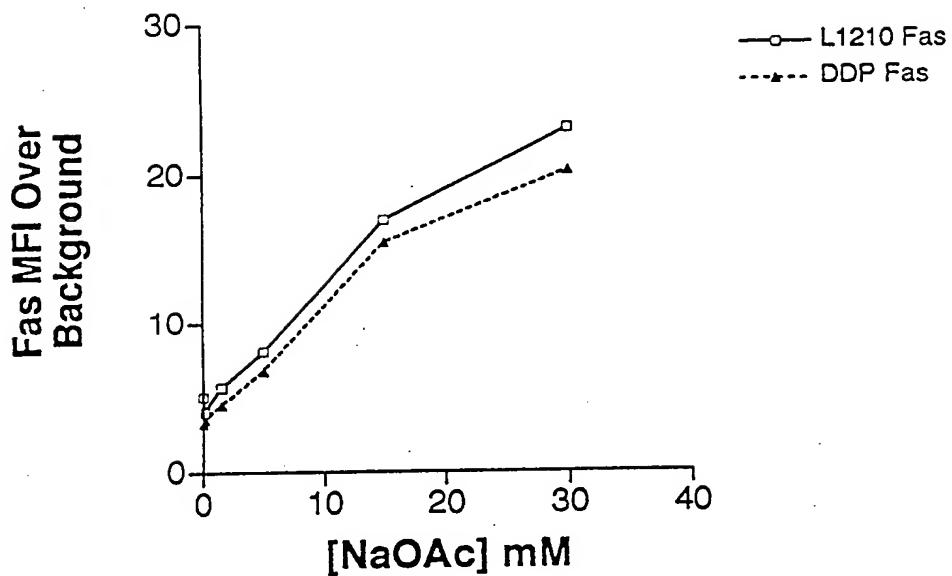


FIGURE 23

Induction of Fas Expression by Sodium Acetate



Induction of ICAM-1 Expression by Sodium Acetate

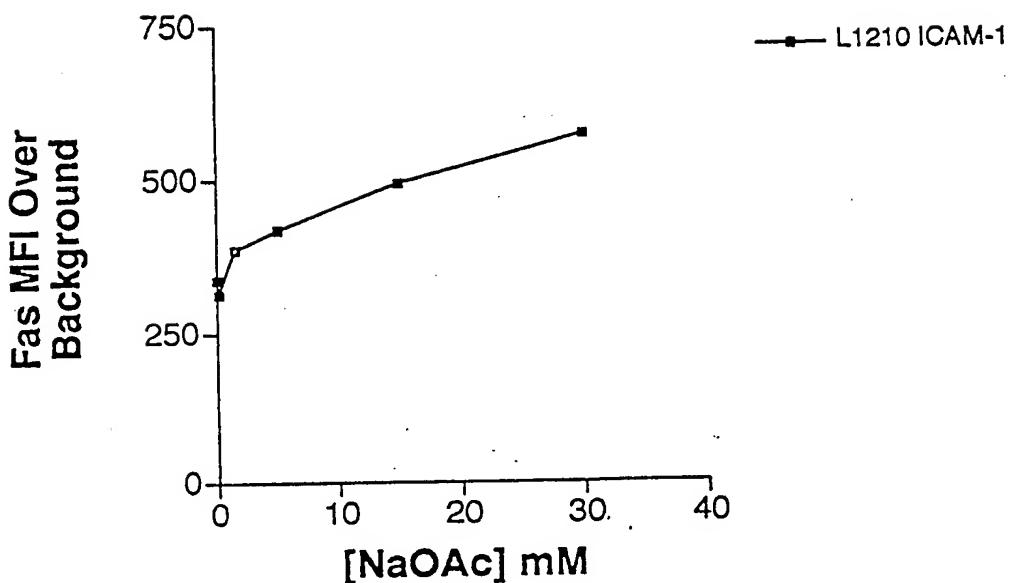
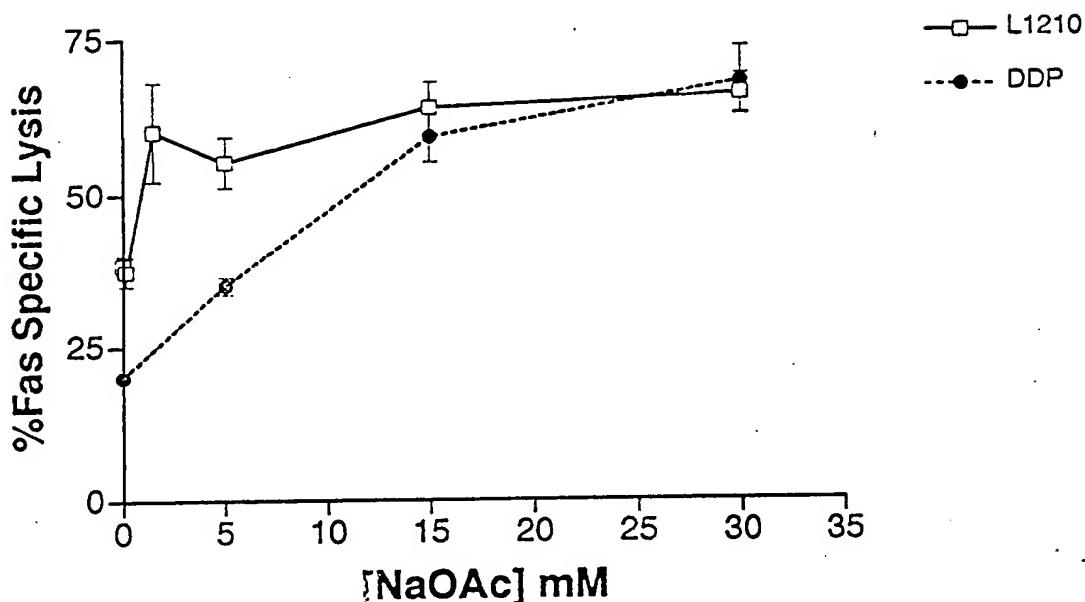
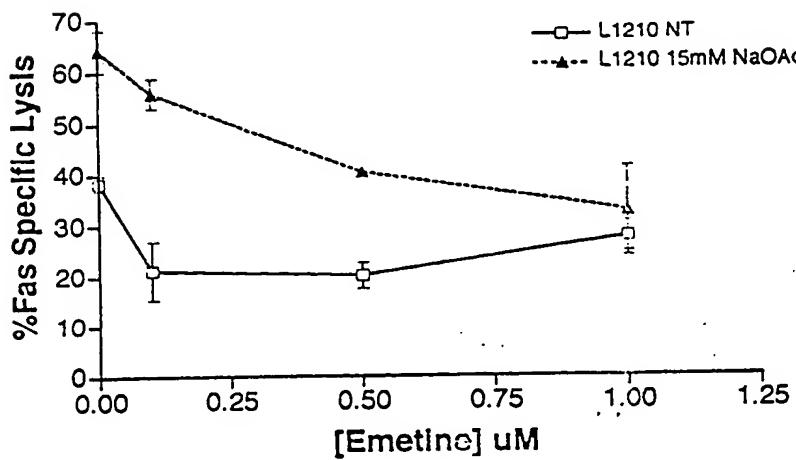


FIGURE 24

**Induction of Fas Functional to
Signal Cells to Die by Sodium
Acetate**



**Inhibition of Functional Fas Expression
Induced by Sodium Acetate by Emetine**

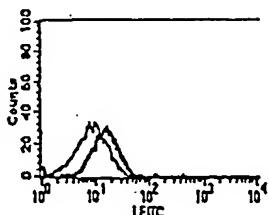


FAS

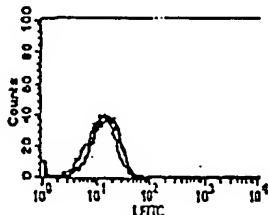
B7-1

B7-2

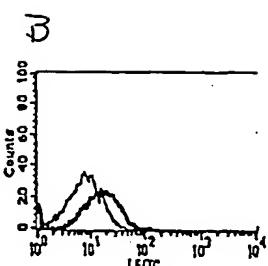
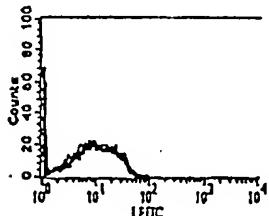
A
PC12



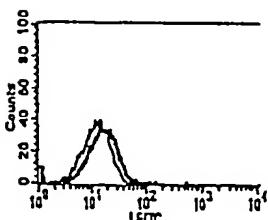
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PC12/TRKA



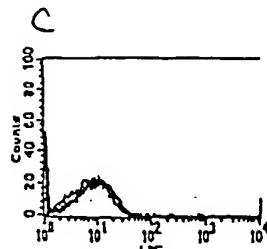
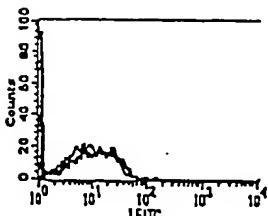
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PC12/v-CRK



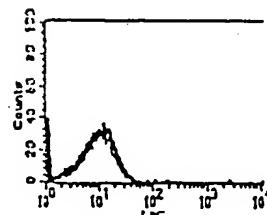
E



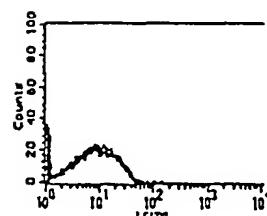
H



F



I



25
Figure 25: Histograms depicting the constitutive expression or lack thereof of the cell surface molecules Fas, B7.1, and B7.2 on PC12 cells and their variants Trk and v-Crk.